

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

500466.04

March 29, 2004

First Inventor or Application Identifier

Kie Y. Ahn et al.

Title

**FIELD EMISSION DISPLAY HAVING REDUCED
POWER REQUIREMENTS AND METHOD**

Express Mail Label No.

EL 990359669 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Mail Stop Patent Application
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P.O. Box 1450
Alexandria, VA 22313-1450

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Sheet (+ copy)
<i>(Submit an original and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) |
| 2. <input type="checkbox"/> Applicant(s) Claim(s) Small Entity Status | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission
<i>(if applicable, all necessary)</i> |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages] 27
<i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive Title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings <i>(if filed)</i> - Detailed Description - Claim(s) - Abstract of the Disclosure | a. <input type="checkbox"/> Computer-Readable Form (CRF) |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] 7 | b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper |
| 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages] 2 | c. <input type="checkbox"/> Statement verifying identity of above copies |
| a. <input type="checkbox"/> Newly executed (original or copy) | 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i) |
| b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
<i>(for continuation/divisional with Box 18 completed)</i> | 10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) | 11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i> <input type="checkbox"/> Power of Attorney |
| 6. <input checked="" type="checkbox"/> Application Data Sheet (37 C.F.R. 1.76) | 12. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> |
| 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment | 13. <input checked="" type="checkbox"/> Preliminary Amendment Total Pages 4 |
| <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-In-Part (CIP) of prior Application No.: <u>09/994,511</u> Filed <u>November 26, 2001</u> | 14. <input checked="" type="checkbox"/> Return Receipt Postcard |
| Prior application information: Examiner <u>Kenneth J. Ramsey</u> | 15. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| <input checked="" type="checkbox"/> Incorporation By Reference <i>(useable if box 5b is checked)</i>
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein. | 16. <input type="checkbox"/> Certified Copy of Priority Document(s)
<i>(if foreign priority is claimed)</i> |
| 17. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u>
<u>Check, Copy of Rev & Sub POA</u> | |

ACCOMPANYING APPLICATION PARTS Continuation Divisional Continuation-In-Part (CIP) of prior Application No.: 09/994,511 Filed November 26, 2001Prior application information: Examiner Kenneth J. Ramsey Group / Art Unit 2879

Incorporation By Reference *(useable if box 5b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

CORRESPONDENCE ADDRESS

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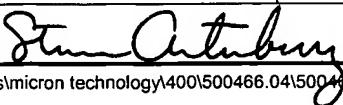
Customer No. 27,076TYPED or PRINTED NAME Steven H. ArterberryREGISTRATION NO. 46,314SIGNATURE Steve ArterberryDate 3/26/04

FEE TRANSMITTAL SHEET (FOR FY 2004)

<i>Complete if Known</i>	
Express Mail No.	EL 990359669 US
Filing Date	Concurrently Herewith
First Named Inventor	Kie Y. Ahn et al.
Group Art Unit	Not Yet Assigned
Examiner	Not Yet Assigned
Atty. Docket Number	500466.04

METHOD OF PAYMENT (Check One)		FEE CALCULATION (Continued)																																																																																																																																																																																																																						
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP		3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Large Entity</th> <th style="width: 20%;">Small Entity</th> <th colspan="4"></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th colspan="2">Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td></td> <td>65</td> <td>Surcharge - Late filing fee or oath</td> <td>\$</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td></td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td>\$</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td></td> <td>130</td> <td>Non-English specification</td> <td>\$</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td></td> <td>2,520</td> <td>For Filing a Request for ex parte Reexamination</td> <td>\$</td> </tr> <tr> <td>1804</td> <td>920</td> <td>1804</td> <td></td> <td>920</td> <td>Requesting publication of SIR prior to Examiner action</td> <td>\$</td> </tr> <tr> <td>1805</td> <td>1,840</td> <td>1805</td> <td></td> <td>1,840</td> <td>Requesting publication of SIR after Examiner action</td> <td>\$</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td></td> <td>55</td> <td>Extension for reply within first month</td> <td>\$</td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td></td> <td>210</td> <td>Extension for reply within 2nd month</td> <td>\$</td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td></td> <td>475</td> <td>Extension for reply within 3rd month</td> <td>\$</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td></td> <td>740</td> <td>Extension for reply within 4th month</td> <td>\$</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td></td> <td>1,005</td> <td>Extension for reply within 5th month</td> <td>\$</td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td></td> <td>165</td> <td>Notice of Appeal</td> <td>\$</td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td></td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td>\$</td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td></td> <td>145</td> <td>Request for oral hearing</td> <td>\$</td> </tr> <tr> <td>1814</td> <td>110</td> <td>2814</td> <td></td> <td>55</td> <td>Terminal Disclaimer Fee</td> <td>\$</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td></td> <td>55</td> <td>Petition to revive – unavoidable</td> <td>\$</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td></td> <td>665</td> <td>Petition to revive – unintentional</td> <td>\$</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td></td> <td>665</td> <td>Utility/Reissue issue fee</td> <td>\$</td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td></td> <td>240</td> <td>Design issue fee</td> <td>\$</td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td></td> <td>320</td> <td>Plant issue fee</td> <td>\$</td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td></td> <td>130</td> <td>Petitions to the Commissioner</td> <td>\$</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td></td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td>\$</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td></td> <td>180</td> <td>Submission of IDS</td> <td>\$</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td></td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>\$</td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td></td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td>\$</td> </tr> <tr> <td colspan="6" style="text-align: center;">Other fee (specify)</td> <td></td> </tr> <tr> <td colspan="6" style="text-align: right;">Subtotal (3)</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td colspan="7" style="text-align: right; font-weight: bold;">Total Amount of Payment: \$770</td> </tr> </tbody> </table>						Large Entity	Small Entity					Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		Fee paid	1051	130	2051		65	Surcharge - Late filing fee or oath	\$	1052	50	2052		25	Surcharge - late provisional filing fee or cover sheet	\$	1053	130	1053		130	Non-English specification	\$	1812	2,520	1812		2,520	For Filing a Request for ex parte Reexamination	\$	1804	920	1804		920	Requesting publication of SIR prior to Examiner action	\$	1805	1,840	1805		1,840	Requesting publication of SIR after Examiner action	\$	1251	110	2251		55	Extension for reply within first month	\$	1252	420	2252		210	Extension for reply within 2 nd month	\$	1253	950	2253		475	Extension for reply within 3 rd month	\$	1254	1,480	2254		740	Extension for reply within 4 th month	\$	1255	2,010	2255		1,005	Extension for reply within 5 th month	\$	1401	330	2401		165	Notice of Appeal	\$	1402	330	2402		165	Filing a brief in support of an appeal	\$	1403	290	2403		145	Request for oral hearing	\$	1814	110	2814		55	Terminal Disclaimer Fee	\$	1452	110	2452		55	Petition to revive – unavoidable	\$	1453	1,330	2453		665	Petition to revive – unintentional	\$	1501	1,330	2501		665	Utility/Reissue issue fee	\$	1502	480	2502		240	Design issue fee	\$	1503	640	2503		320	Plant issue fee	\$	1460	130	1460		130	Petitions to the Commissioner	\$	1807	50	1807		50	Processing fee under 37 CFR 1.17(q)	\$	1806	180	1806		180	Submission of IDS	\$	8021	40	8021		40	Recording each patent assignment per property (times number of properties)	\$	1801	770	2801		385	Request for Continued Examination (RCE)	\$	Other fee (specify)							Subtotal (3)						\$0	Total Amount of Payment: \$770						
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Submitted by:

Name: Steven H. Arterberry	Reg. No.: 46,314	Telephone: (206) 903-8800
Signature: 		Date: 3/26/04

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kie Y. Ahn and Leonard Forbes Attorney Docket No.: 500466.04

Filed : March 29, 2004

Title : FIELD EMISSION DISPLAY HAVING REDUCED POWER REQUIREMENTS
AND METHOD

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

MAIL STOP PATENT APPLICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 990359669 US on March 29, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,
DORSEY & WHITNEY LLP

Caroline Arteeng
for West Courier

SHA:dms

Enclosures:

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Check
PTO/SB/05 Utility Patent Application Transmittal
Application Data Sheet
Fee Transmittal Sheet (+ copy)
General Authorization
Preliminary Amendment
Specification, Claims, Abstract (27 pages)
7 Sheets of Drawings (Figures 1-7)
Copy of Declaration
Copy of Election and Power of Attorney
Copy of Revocation and Substitute Power of Attorney
Information Disclosure Statement, Form PTO-1449

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kie Y. Ahn and Leonard Forbes Attorney Docket No.: 500466.04
Filed : Concurrently Herewith
Title : FIELD EMISSION DISPLAY HAVING REDUCED POWER REQUIREMENTS AND
METHOD

GENERAL AUTHORIZATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date 3/26/04

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